

Exhibit G

FACS Analysis of Transfected cells w/ following Vectors

pCDNA 3

FT7, 1, 2a, 2b, 3

1, 2b, 3

1, 3

CDNA 3

CDNA 10

CDNA 14

2 plates / Vector - Divide

FACS 7mbs

Yuko 5mbs

EAT 3mbs

ETassy 5mbs

(75ul)

(100ul)

Antibodies

2nd Antibody

IgM 2.5mbs

12.5 / 2.5 mbs

IgG 1.5

60 / 1.5mbs

IgM

H

- blank

1:100 /

IgM

hX

green

1:1000

IgM

SLX

1:200

IgG

hX

red

1:500

IgG

SLA

blue

1:500

Results are

H - all neg

hX - all neg

SLX, pCD (-), 1, 2a, 2b, 3(+), 1, 2b, 3(+), 1, 3 (-), CDNA 3 (+), 10 (+), 14 (+)

hX - all neg

SLA - all neg

Sperm 12 primer KG, FT4

6451

6080

2470

6199

6374

6087

6306

6086

6203

6085

5721

5671

Run sig gel of above samples

Also sperm

5728

6084

7213

5731

5732

6082

5662

5672

6201

5725

5672

6200

Spraying gel of samples
Sequence

FT4 6079
6202
6307
6373
cDNA10 715
946

cDNA14
T7
8850
8807
8874

Protein assay of FACS Samples, also CAT assay

pCDNA
FT7-1,2a,2b,3
FT7-1,2b,3
FT7-1,3
cDNA3
cDNA10
cDNA14
BSA Blank Protein
0 100 116 108
1 208 225 214
2 369 383 376
4 691 673 682
8 1215 1230 1222
16

Sub Samples
pCDNA .292 .294 .293
1,2a,2b,3 .337 .330 .333
1,2b,3 .298 .343 .320
1,3 .369 .372 .370
cDNA3 .363 .379 .371
cDNA10 .306 .298 .302
cDNA14 .225 .253 .231

FACS Results

Only stain w/ SLX
1,2a,2b,3 23.6%
1,2b,3 24.6%
cDNA10 14.9%
cDNA14 8.0%

Micro BCA Protein Assay

Reagent mic	MC	MB	MA
Per assay tube (ml)	0.01	0.24	0.25
Cocktail for Tubes			

Incubate 1 h at 50°C and cool to room temp.

Since the color development has no end point, all tubes must be heated and cooled at the same time.

1 mg/ml BSA (l)	Water (l)	Reagent (l)	Abs. 562	
0.0	500.0	500.0	Blank	Slope = 0.0734 Y intercept = 0.0656 X intercept = -0.8940 R = 0.9985
1.0	499.0	500.0	0.108	
2.0	498.0	500.0	0.214	
4.0	496.0	500.0	0.376	
8.0	492.0	500.0	0.682	
16.0	484.0	500.0	1.222	

Spraying of FT4 samples

Sample	l in assay	Water (l)	Reagent (l)	Abs. 562	mg protein/ml
pCDNA1	5.00	495.00	500	0.293	0.82
FT7 1,2a,2b,3	5.00	495.00	500	0.333	0.73
FT7 1,2b,3	5.00	495.00	500	0.320	0.69
FT7 1,3	5.00	495.00	500	0.370	0.83
cDNA 3	5.00	495.00	500	0.371	0.83
cDNA 10	5.00	495.00	500	0.302	0.64
cDNA 14	5.00	495.00	500	0.239	0.47

CAT Assay (FT7) samples

2.5 μ l of cell extract

Control

pCDNA

1,2a,b,3

1,2b,3

1,3

CDNA 3

CDNA 10

CDNA 14

Cocktail 15

3/4 Chlase 300

Tris, 2M, pH 8.0 75

But Co A 75

H₂O 300

50 / tube

CAT

Vector	Counts/Sub		Incorporated Counts (9S)		Total Counts	Total Counts Incorporated	
pCDNA	11,349	11,629	9,189	8,083	236,189	244,642	9,673
FT7 1,2a,b,3	11,181	11,441	27,211	21,919	280,431	280,729	28,040
FT7 1,2b,3	11,772	11,628	37,541	40,684	272,981	277,204	39,517
FT7 1,3	11,215	11,890	23,078	28,706	247,978	282,506	24,291
CDNA 3	11,834	11,209	33,685	39,096	270,885	283,218	35,088
CDNA 10	12,017	11,312	30,066	35,165	270,408	259,408	31,646
CDNA 14	11,079	11,570	44,132	40,529	285,712	271,929	48,458
Control		10,354		424		207,804	446
Protein Conc. (µg/2.5ul)		Total Counts Inc. 8S	% INC/Chr		% INC/orig		Mean CAT Activity
pCDNA	1.55	9,249	8,083	3.92	3.30	2.53	2.53
FT7 1,2a,b,3	1.53	28,219	22,649	11.27	9.03	6.17	4.95
FT7 1,2b,3	1.72	39,090	42,401	14.32	15.30	8.33	8.89
FT7 1,3	2.07	23,687	29,783	9.85	11.35	4.88	5.48
CDNA 3	2.07	35,244	40,730	15.03	15.47	8.29	7.48
CDNA 10	1.80	31,224	34,487	11.55	13.29	7.22	8.31
CDNA 14	1.17	48,032	42,228	17.32	15.83	14.81	13.28

Assembly Data of FT7 FACS, CAT Assay / give to Judo
Within FT4 system

7 days sequencing on TruScribe FT4 samples

6451 6200

637F 6079

6306 6307

6203 1899

5721 1898

1899

Sequencing end of samples (FT7) Transcribed gel

Probe obtained northern but w/ GAP probe

To check condition of RNA

The 7 days technique didn't resolve all of the compressions

Try a terminal transferase technique

Run standard Synthesis rxn, after extension reaction

Heat tubes (A, C, G, T) for 1.5 min 100°C

Hold on ice 10 min, Purify TdT / dNTP cocktail

Add to tubes, 37°C 30 min

Add. Stop